BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements and Ashalting to Balance BEL layout roads(1st to 5th Block) in ward No 09 in Vidyaranyapura sub Division.**

			Estimate Cost:					**1800000.00**	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2/ PWD SR 2013-14**	Cum							
	Desilting of Drains								
	11th Cross 1st Block		2	510.00	0.45	0.35	160.65		
	Berm Cutting								
	11th Cross 1st Block		2	510.00	1.50	0.30	459.00		
							619.65	90.72	**56215.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	Removing B.S. Slab Drain and stacking **(P.28 / I.5.32 PWD SR - 2013-14)**	Sqm							
			2	370.00		1.50	1110.00		
							1110.00	50.11	**55624.00**
	Basic Rate	46.40							
	Area Weightage @8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in CM (1:3) **(P. 28 / I. 5.33 PWD SR - 2013-14)**	Sqm							
			Vide Item No.2				**1110.00**	70.04	**77742.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
4	KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **No. 158 / Item No. 19.51 / PWD SR 2013-14**	Sqm							
	11th Cross 1st Block		2	510.00	1.50		1530.00		
							1530.00	40.50	**61965.00**
	Basic Rate	37.50							
	Area Weightage @ 8%	3.00							
	Total	**40.50**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
5	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P. 170 / I. 20.18) PWD SR - 2013-14.**	Cum							
	11th Cross 1st Block		2	510.00	2.00	0.20	408.00		
							408.00	1121.04	**457384.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
6	KSRRB 500-1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P. 175 / I. 21.1) PWDSR 2013-14**	Sqm							
	11th Cross 1st Block		1	510.00	6.00		3060.00		
							3060.00	10.53	**32222.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
7	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6 / PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 6				3060.00		
							3060.00	44.28	**135497.00**
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 178 / Item No. 21.20.1 / PWD SR 2013-14**	Cum							
	11th Cross 1st Block		1	510.00	6.00	0.025	76.50		
							76.50		
	Consider 10% for Depress Filling and Camber						**7.65**		
							84.15	9631.44	**810486.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
9	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, **No. 197 / Item No. 24.15 PWD SR 2013-14**	Sqm							
			2	510.00	0.10		102.00		
							102.00	471.96	**48140.00**
	Basic Rate	437.00							
	Area Weightage @ 8%	34.96							
	Total	**471.96**							
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**619.65**	72.71	**45052.00**
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
11	For Third Party QC Charges @ 1% on Estimate Cost								**18000.00**
12	Miscellaneous and other Charges	L/S							**1673.00**
								Total	**1800000.00**
	(Rs. Eighteen Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

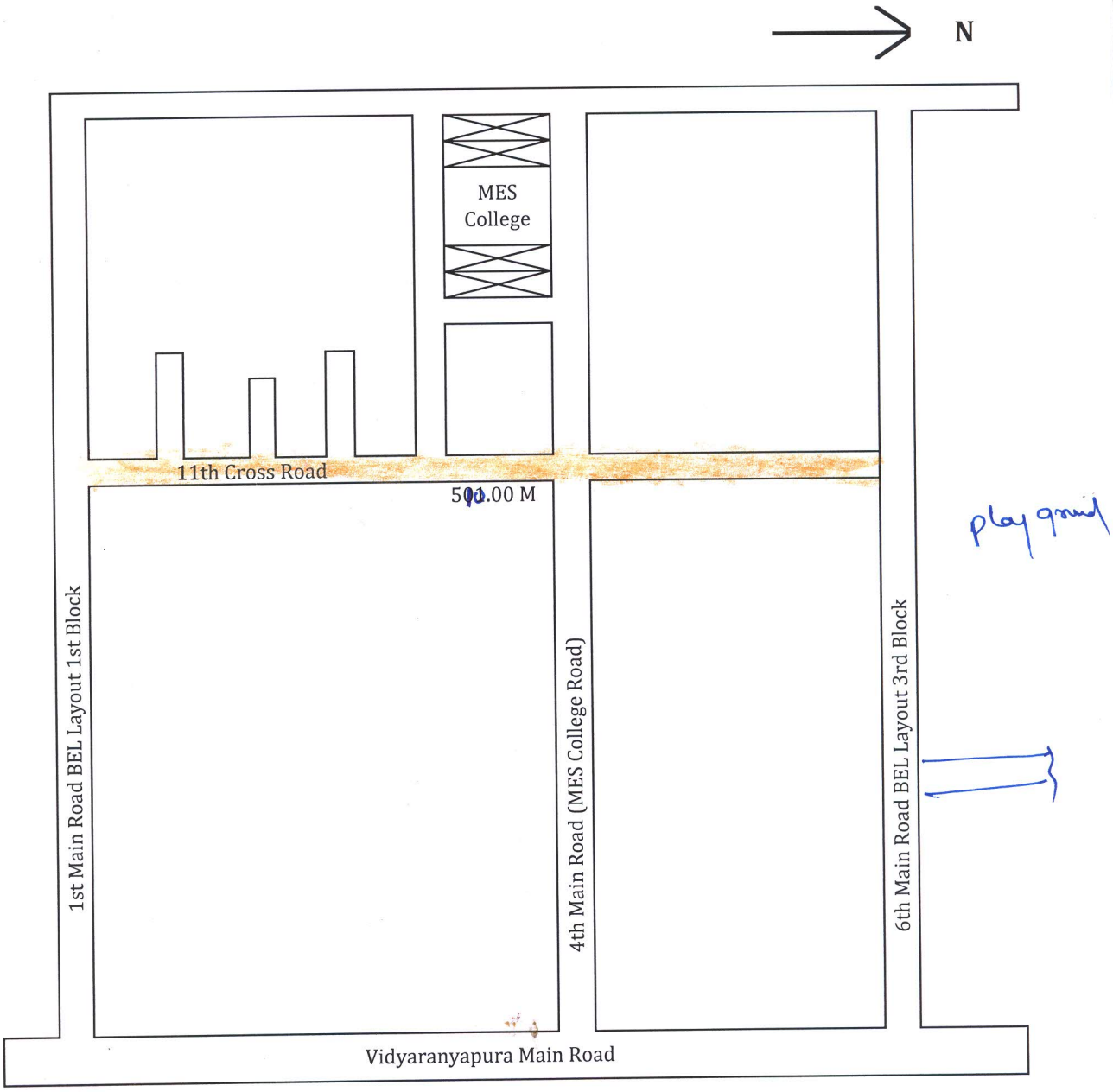
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 18.00 lakhs
Eighteen lakhs only
Registered as EE ( ) No 161 - 12-13
to conditions contained
No: 161 / 12-13 Dt 23-12-13
AE/JE
EE (BTP.Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs. 18.00
Rupees Eighteen lakhs only
Under
Registered as EE ( ) No 2...8....
Subject to conditions contained in
enclosed memo EE ( ) No /9/...
Dt Estimate A/Sanctioned
Add com(4) A-5 No 633/13-14
dated 23-12-13 Rs 18.00

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Name of Work: Improvements and Asphalting to Balance BEL Layout Roads (1st to 5th Block) in Ward No. 09 Vidyaranyapura Sub Division.



Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97